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01-16-02

PTO/SB/05 (03-01)

Approved through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 37310-000157

First Inventor John V. Gates, II, et al.

Title METHOD FOR CALIBRATING A MEMS DEVICE

Express Mail Label No. E1470641038US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 29]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the invention
  - Brief Summary of the invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 7]
5. Oath or Declaration [Total Pages 4]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☐ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Non Publication under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_ / \_\_\_\_\_  
Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label 30593 or ☐ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

Name HARNESS, DICKEY & PIERCE PLC

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John A. Castellano

Registration No. (Attorney/Agent)

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Signature

Date

January 14, 2002

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01/14/02  
JCS20 U.S. PTO

10046352 011402

JCS97 U.S. PTO  
10/046352  
01/14/02

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ ) 776.00

## Complete if Known

|                      |                          |
|----------------------|--------------------------|
| Application Number   | Not assigned yet         |
| Filing Date          | January 14, 2002         |
| First Named Inventor | John V. Gates II, et al. |
| Examiner Name        | Unknown                  |
| Group / Art Unit     | Unknown                  |
| Attorney Docket No.  | 37310-000157             |

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
Account  
Number

08-0750

Deposit  
Account  
Name

Harness, Dickey & Pierce, P.L.C.

- ☒ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17  
☐ Applicant claims small entity status.  
See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money  
Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description        | Fee Paid |
|----------------------|-----------------------|----------------------|-----------------------|------------------------|----------|
| 101                  | 740                   | 201                  | 370                   | Utility filing fee     | 740      |
| 106                  | 330                   | 206                  | 165                   | Design filing fee      |          |
| 107                  | 510                   | 207                  | 255                   | Plant filing fee       |          |
| 108                  | 740                   | 208                  | 370                   | Reissue filing fee     |          |
| 114                  | 160                   | 214                  | 80                    | Provisional filing fee |          |

SUBTOTAL (1)

(\$740.00)

### 2. EXTRA CLAIM FEES

| Total Claims          | Extra<br>Claims | Fee from<br>below | Fee<br>Paid |
|-----------------------|-----------------|-------------------|-------------|
| 22                    | -20 ** = 2      | 18                | 36          |
| Independent<br>Claims | 3               | -3 ** = 0         | 0           |
| Multiple<br>Dependent |                 | X                 | 0           |

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description  |
|----------------------|-----------------------|----------------------|-----------------------|--|
| 103                  | 18                    | 203                  | 9                     | Claims in excess of 20                                     |
| 102                  | 84                    | 202                  | 42                    | Independent claims in excess of 3                          |
| 104                  | 280                   | 204                  | 140                   | Multiple dependent claim, if not paid                      |
| 109                  | 84                    | 209                  | 42                    | ** Reissue independent claims over original patent         |
| 110                  | 18                    | 210                  | 9                     | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$) 36.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large<br>Entity<br>Fee<br>Code | Large<br>Entity<br>Fee<br>(\$) | Small<br>Entity<br>Fee<br>Code | Small<br>Entity<br>Fee<br>(\$) | Fee Description  | Fee<br>Paid |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|-------------|
| 105                            | 130                            | 205                            | 65                             | Surcharge - late filing fee or oath  |             |
| 127                            | 50                             | 227                            | 25                             | Surcharge - late provisional filing fee or cover sheet                     |             |
| 139                            | 130                            | 139                            | 130                            | Non-English specification  |             |
| 147                            | 2,520                          | 147                            | 2,520                          | For filing a request for reexamination                                     |             |
| 112                            | 920*                           | 112                            | 920*                           | Requesting publication of SIR prior to Examiner action                     |             |
| 113                            | 1,840*                         | 113                            | 1,840*                         | Requesting publication of SIR after Examiner action                        |             |
| 115                            | 110                            | 215                            | 55                             | Extension for reply within first month                                     |             |
| 116                            | 400                            | 216                            | 200                            | Extension for reply within second month                                    |             |
| 117                            | 920                            | 217                            | 460                            | Extension for reply within third month                                     |             |
| 118                            | 1,440                          | 218                            | 720                            | Extension for reply within fourth month                                    |             |
| 128                            | 1,960                          | 228                            | 980                            | Extension for reply within fifth month                                     |             |
| 119                            | 320                            | 219                            | 160                            | Notice of Appeal   |             |
| 120                            | 320                            | 220                            | 160                            | Filing a brief in support of an appeal                                     |             |
| 121                            | 280                            | 221                            | 140                            | Request for oral hearing   |             |
| 138                            | 1,510                          | 138                            | 1,510                          | Petition to institute a public use proceeding                              |             |
| 140                            | 110                            | 240                            | 55                             | Petition to revive - unavoidable   |             |
| 141                            | 1,280                          | 241                            | 640                            | Petition to revive - unintentional   |             |
| 142                            | 1,280                          | 242                            | 640                            | Utility issue fee (or reissue)   |             |
| 143                            | 460                            | 243                            | 230                            | Design issue fee   |             |
| 144                            | 620                            | 244                            | 310                            | Plant issue fee  |             |
| 122                            | 130                            | 122                            | 130                            | Petitions to the Commissioner  |             |
| 123                            | 50                             | 123                            | 50                             | Processing fee under 37 CFR 1.17 (q)                                       |             |
| 126                            | 180                            | 126                            | 180                            | Submission of Information Disclosure Stmt                                  |             |
| 581                            | 40                             | 581                            | 40                             | Recording each patent assignment per property (times number of properties) |             |
| 146                            | 740                            | 246                            | 370                            | Filing a submission after final rejection (37 CFR § 1.129(a))              |             |
| 149                            | 740                            | 249                            | 370                            | For each additional invention to be examined (37 CFR § 1.129(b))           |             |
| 179                            | 740                            | 279                            | 370                            | Request for Continued Examination (RCE)                                    |             |
| 169                            | 900                            | 169                            | 900                            | Request for expedited examination of a design application                  |             |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ ) 0

## SUBMITTED BY

Name (Print/Type) John A. Castellano, Reg. 35,094  
Registration No. Attorney/Agent

Signature

Telephone

Date

Complete (if applicable)

703-390-3030

1/14/02

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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01-16-02

A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Express Mail No.: ET470641038US

Date of Deposit: January 14, 2002

Application No.: **NEW**  
Filing Date: January 14, 2002  
Applicant: John V. Gates II et al.  
Group Art Unit: Unknown  
Examiner: Unknown  
Title: METHOD FOR CALIBRATING A MEMS DEVICE  
Attorney Docket: 37310-000157

**Box New U.S. Patent Application**

Hon. Commissioner of Patents and Trademarks  
U.S. Patent and Trademark Office  
P. O. Box 2327  
Arlington, VA 22202

**EXPRESS MAIL TRANSMITTAL**

The following papers are being deposited with the United States Postal Service Express Mail Post Office To Addressee and addressed for receipt by the United States Patent and Trademark Office:

Utility Patent Application Transmittal  
Specification (29 pages, 8 sheets of drawings)  
Declaration and Power of Attorney  
Post Card for filing

HARNESS, DICKEY & PIERCE, P.L.C.  
P.O. Box 8910  
Reston, VA 20195  
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John A. Castellano

01/14/02  
JC520 U.S. PTO

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